# United States Patent [19]

Belfer et al.

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### DISINFECTANT COMPOSITION FOR [54] INFECTIOUS WATER AND SURFACE CONTAMINATIONS

[76] Inventors: William A. Belfer, 804 W. Park Ave.; Phillip J. Petillo, 1206 Herbert Ave., both of Ocean Township, N.J. 07712

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U.S. Cl. ...... 424/405; 424/406; 424/45; [52] 424/76.8; 424/613; 424/616; 424/641; 424/653; 424/702; 424/717; 424/722 Field of Search ...... 570/384, 417; 424/45, 667-673, 53, 46, 76.3, 76.5-76.9,

405, 406, 57, 55-58, 657-660, 613, 614, 616, 641, 643, 653, 702, 717, 722

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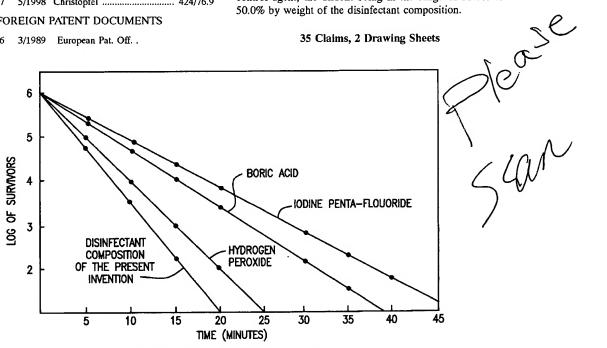
Primary Examiner-Neil S. Levy Attorney, Agent, or Firm-Ezra Sutton

ABSTRACT

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An asepsis disinfectant composition in liquid form having germicidal and biofilm cleansing properties comprising an anti-infective, an antiseptic agent, and an anti-biofilm agent for killing pathogenic and non-pathogenic organisms being in the range of 13.0% to 45.5% by weight of the disinfectant composition; a water purifying agent for acting as a detergent, a sanitizer and a bactericide being in the range of 4.0% to 14.0% by weight of the disinfectant composition; a cleansing agent for acting as an astringent and an abradant in the removal of biofilm from contaminated surfaces, and as a bactericide and fungicide being in the range of 10.0% to 23.0% by weight of the disinfectant composition; an antioxidant and stabilizer agent for stabilizing anti-infective and antiseptic agent in the liquid disinfectant composition being in the range of 4.0% to 8.0% by weight of the disinfectant composition; a scrubbing agent for acting as an abrasive and a cleanser for the removal of biofilm from contaminated surfaces being in the range of 4.0% to 8.0% by weight of the disinfectant composition; at least one pH adjuster for acidifying disinfectant composition from a basic or neutral condition to a slightly acidic condition having a pH in the range of 5.0 to 6.9 being in the range of trace amounts to 2.0% by weight of the disinfectant composition; and a diluent for diluting and dissolving into solution the anti-oxidant and stabilizer agent, the scrubbing agent, and the pH adjuster and control agent; the diluent being in the range of 35.0% to 50.0% by weight of the disinfectant composition.

35 Claims, 2 Drawing Sheets



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